

PERFORMANCE ENHANCED CONTROL OF DLN GAS TURBINES

ABSTRACT OF THE DISCLOSURE

A control system and methodology for a gas turbine having multiple fuel valves for multiple combustion chambers involves tuning the fuel values to associated combustion chambers to optimize nitrous oxide emissions; dynamic pressure, and variation in fuel/air ratio. Further, fine tuning of the fuel values is then used to maintain dynamic pressure oscillations, nitrous oxide emissions or variation in fuel/air ratio within predetermined limits.